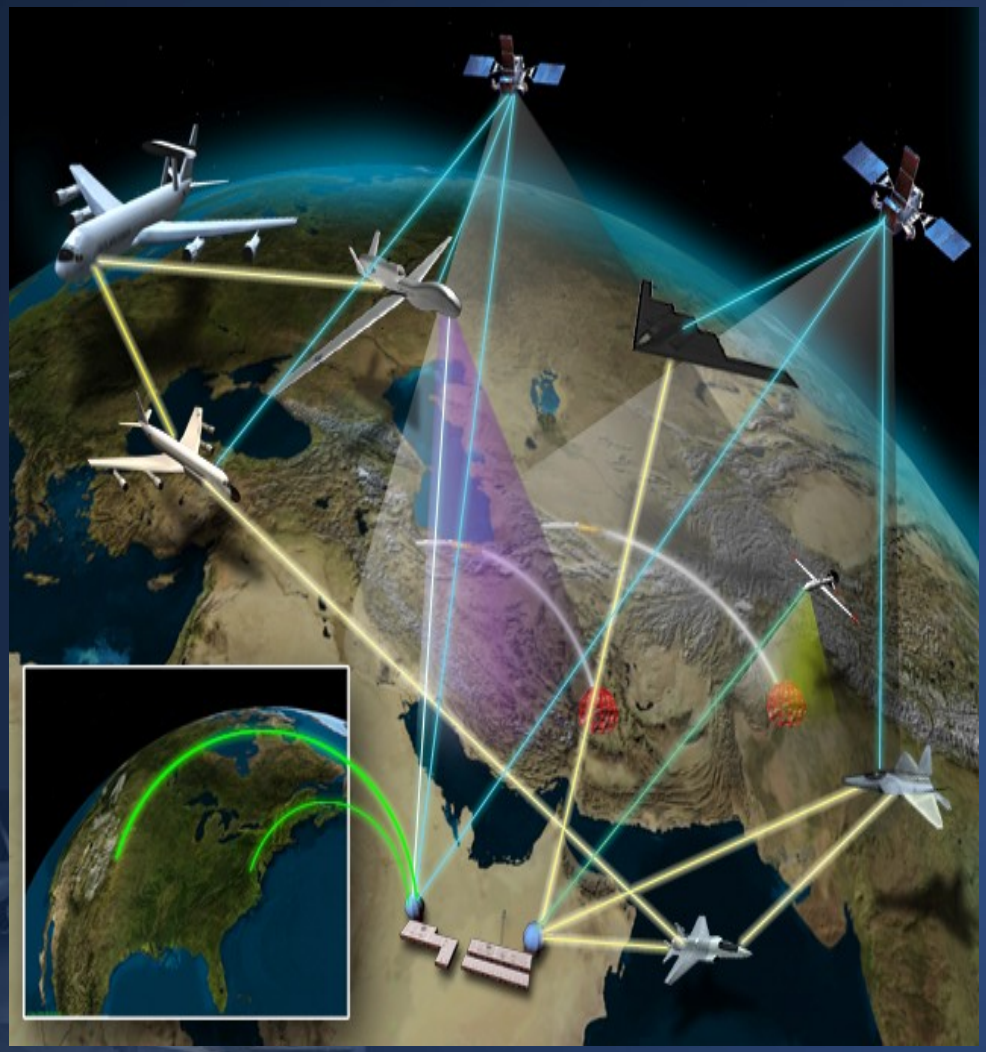


Joint Integrated Open Architectures:

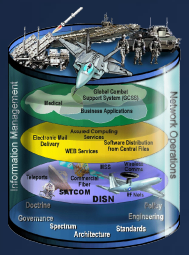
Progressing Toward Net-Centric Operations and Warfare

March 30, 2004

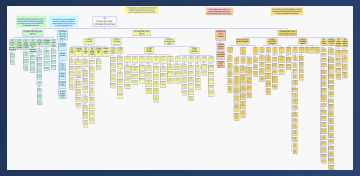
Overview

- *DoD Enterprise Architecture Development*
- *Joint Integrated Architecture Development*
- *Reference Architecture Convergence*
- *Program Architecture Convergence*
- *Architecture-Driven Development*
- *Way Ahead*

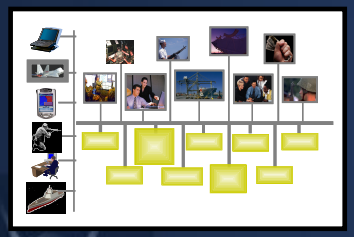
DoD Enterprise Architecture



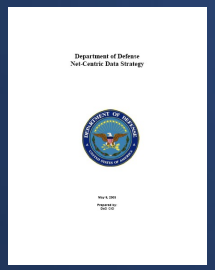
GIG Architecture V2



NCOW RM V1



NCES ICD/CDD



DoD Data Strategy

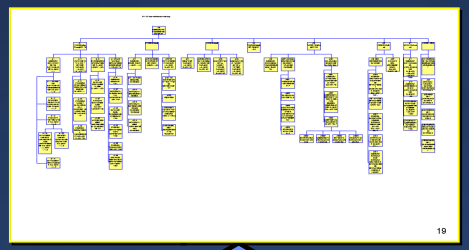
- ***DoD Enterprise Architecture***
- ***Strategic, Operational, Tactical Use Cases***
- ***Mapping to FEAF***
- ***Acquisition Guidance***
- ***Definition of 'Network Centric'***
- ***Enterprise Services Definition***
- ***Platform (COE) to Network***

Defining the Environment in Which We Delivery Capability

Management and

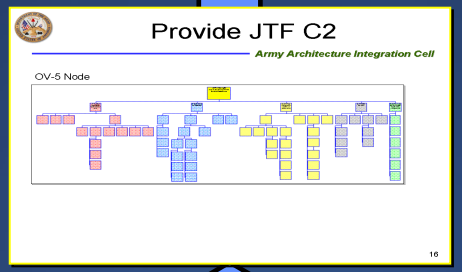
Joint Integrated Architectures

OSD



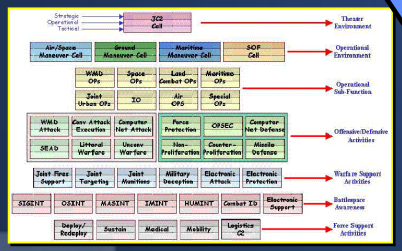
Joint Integrated Architecture (JIA)

JFCOM

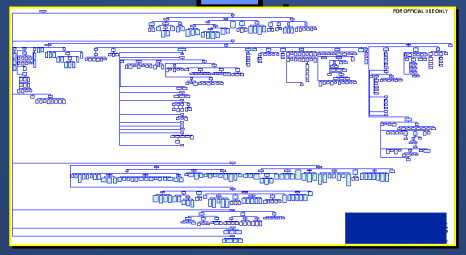


JTF C2 Architecture

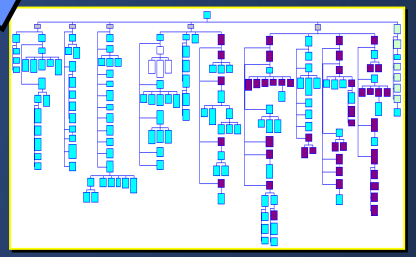
Service



Navy FORCEnet



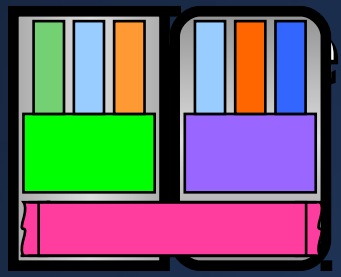
Air Force C2 Constellation



Army LandWarNet

Partnering to Evolve Joint Architectures that Guide Program Development

Reference Architecture Convergence



AF
C2ERA

Navy

RAPIDS

Army

PASS

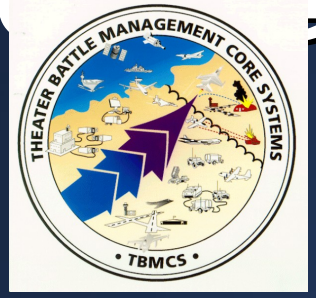
Commercial Best Practice

Multi-Service

NESI

Focus on Standards Without Constraining Innovation and Diversity

Program Architecture Convergence



GCSS-AF
Global Combat Support System - Air Force

MDNTB
Missile Defense National Team C2BMC

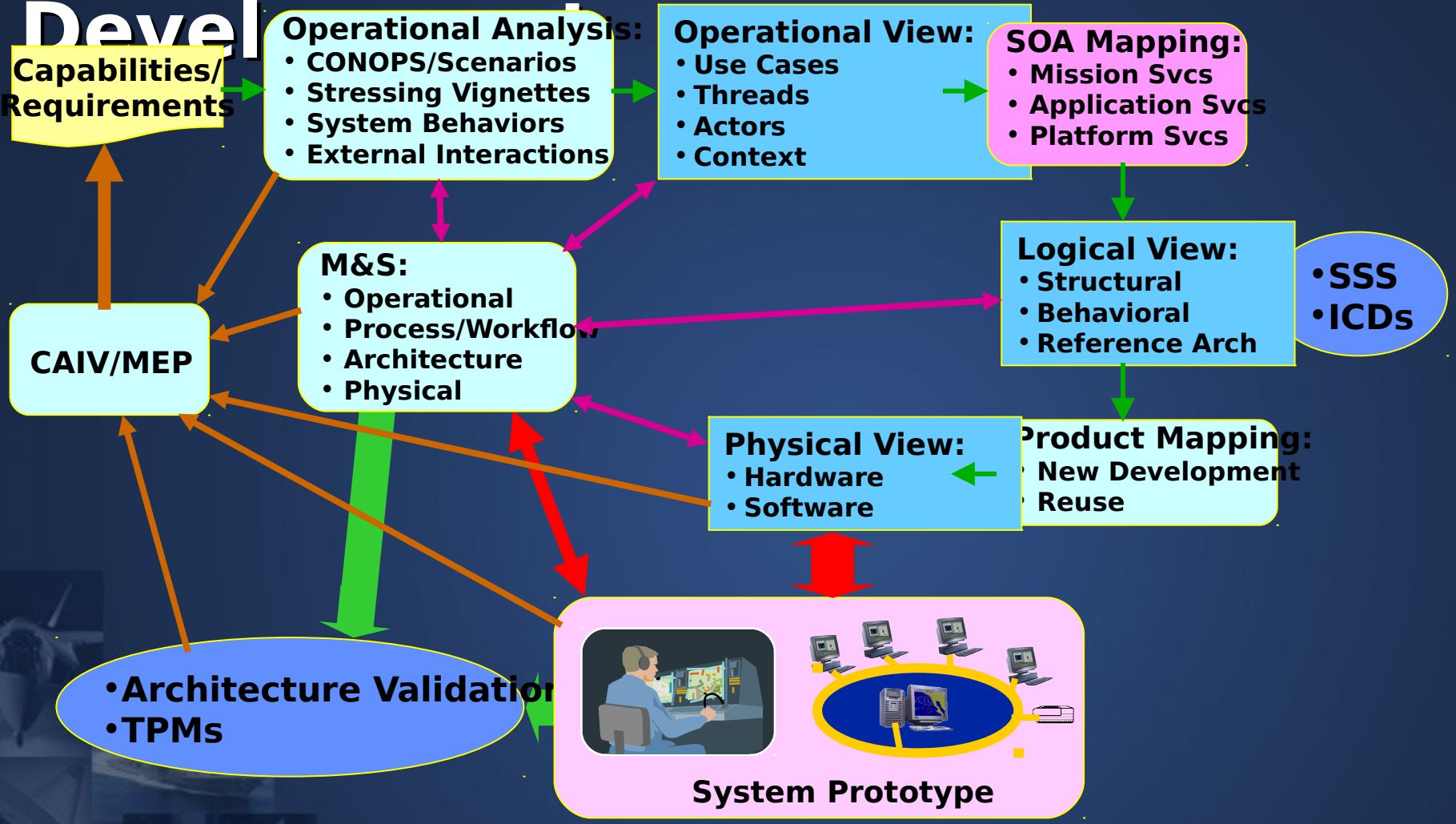
ISC2

Converged Program Platform

JC2 AOC LSI BMC2 ISPAN NCES

Leverage the DoD Program Portfolio

Architecture-Driven Devel



Architecture Drives Net-Centricity and Delivered Capability!

Way ahead

- ***Continue to Evolve Joint Architectures and Mechanisms to Foster Convergence***
  - *Master Capabilities List, Common Activities/Functions*
  - *Common Repository (DARS Lite) and tools*
- ***Manage the Information in Information Superiority***
  - *DoD Data Strategy, XML Repository, C2EIDM*
- ***Converge SORs on Reference Architecture (NESI)***
  - *SOA, Enterprise Services, Publish and Subscribe*
  - *GCSS-AF, AOC LSI, DCGS, CCICC2, FIOP, ISPAN*

Industry Competition in Services not Architecture